

S5.02 Filter Sock Specification

Scope

This specification describes 2- through 48-inch (50 to 1200 mm) SOCK synthetic wrap.

Filter Fabric Requirements

The SOCK shall meet the requirements of ASTM D6707.

Filter Fabric Properties

Property	Test Method	Material
Material	-	Polyester
Fabric	-	Knitted
Permittivity (min.)	ASTM D4491	5.5 sec ⁻¹
Puncture Resistance (min.)	ASTM D6241	1000 N
AOS (max.)	ASTM D4751	0.600 mm; 30 U.S. Sieve
FOS (max.)	CAN/CGSB-148.1, M10-94	450 microns
Mass (relaxed)	ASTM D3887	3.0-3.9 oz/yd ² ; 101.7-132.2 g/cm ²
Mass (applied minimum)		2.7-3.5 oz/yd ² ; 91.5-118.7 g/cm ²
Thickness (min.)	ASTM D4491	24.0 mils; 609.6 microns
Permeability (K) (min.)	ASTM D4491	0.390 cm/sec
Burst Strength (min.)	ASTM D3786	760 kPa
Air Permeability (min.)	ASTM D737	700 ft ³ /ft ² /min; 213 m ³ /m ² /min
Water Flow Rate (min.)	ASTM D4491 (2" [50 mm] constant head	300 gal/min/ft ² ; 12,224 L/min/m ²
Yarn Denier	-	150
Specific Gravity	-	1.3
Melt Temperature	-	450° F; 232° C